

Claims

1. An arrangement for a hot air aggregate comprising a cover (2) having a built-in fan (3), a closed chamber (4) after said fan (3) which extends into a conically formed front portion (5) to which a burner unit (7) with an enclosed burner (9) supplied with a gas flow and a nozzle (10) are provided via a connection sleeve (6), **characterized in that** said fan (3) is fixed via sealing means (11) against an inner tube (12) insulated from said cover (2) and delimits in the longitudinal direction of the hot air aggregate (1) the back portion (13) of the enclosed chamber (4) and its opposite front portion (14) extends into the conical portion (5), showing on its inner mantle surface (15) inclined wings for giving the air supplied through the same an extra rotation before its passage into the burner (9), said chamber (4) comprises an air guard (16) for sensing the right air flow up to the burner (9) at the same time as in front of or after said fan (3) there are integrated within said cover (2) an electronic controlling unit (17) and a magnetic valve (18) for adjusting of air- and gas flows, said burner unit (7) comprises adjusting means (19) for ignition and starting of said fan (3) when the pressure has been increased sufficiently in the chamber (4) at the same time as a sensor gives a signal to the magnetic valve (18) to open the gas supply for ignition of a gas flame enclosed in the burner, and said nozzle (10) is double mantled having the possibility of cooling by aid of cooling air in the gap space (20) of the double mantle (21).

2. An arrangement according to Claim 1, **characterized in that** the gap space (20) in the double mantle (21) of the nozzle (10) is provided with an

insulating material (22) preferably in the form of a ceramic layer on the inside (23) of the outer mantling (24).

5 3. An arrangement according to Claim 1,
characterized in that the back portion (25) of the hot air aggregate (1) is provided with air intakes (26) in its back gable wall (27) and/or in the back area (28) of the sides (29) of the cover (2).

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4. An arrangement according to Claim 1,
characterized in that said nozzle (10) comprises a branch off means (30) for connection to a traditional electrically driven hot gun for increasing the effect of
15 the outcoming hot air.

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